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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/108,673AAPR 20 2000 DATE: 11/05/98
TIME: 14:21:56TECH CENTER 1829/55-raw #14
INVENTOR 1829/55-raw #14

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANTS: Ching-Leou Teng and Greg Hardee
6
7 (ii) TITLE OF INVENTION: Compositions and Methods for the Delivery of
8 Oligonucleotides Via the Alimentary Canal
9
10 (iii) NUMBER OF SEQUENCES: 132
11
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris LLP
14 (B) STREET: One Liberty Place, 46th Floor
15 (C) CITY: Philadelphia
16 (D) STATE: PA
17 (E) COUNTRY: USA
18 (F) ZIP: 19103
19
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
22 (B) COMPUTER: IBM PS/2
23 (C) OPERATING SYSTEM: PC-DOS
24 (D) SOFTWARE: WORDPERFECT 6.1
25
26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER: 09/108,673
28 (B) FILING DATE: July 1, 1998
29 (C) CLASSIFICATION: n/A
30
31 (vii) PRIOR APPLICATION DATA:
32 (A) APPLICATION NUMBER: 08/886,829
33 (B) FILING DATE: 01-JUL-1997
34
35 (viii) ATTORNEY/AGENT INFORMATION:
36 (A) NAME: Paul K. Legaard
37 (B) REGISTRATION NUMBER: 38,534
38 (C) REFERENCE/DOCKET NUMBER: ISIS-3105
39
40 (ix) TELECOMMUNICATION INFORMATION:
41 (A) TELEPHONE: (215) 568-3100
42 (B) TELEFAX: (215) 568 3439
43
44 (2) INFORMATION FOR SEQ ID NO: 1:
45 (i) SEQUENCE CHARACTERISTICS:
46 (A) LENGTH: 20 base pairs

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RAW SEQUENCE LISTING

PATENT APPLICATION US/09/108,673

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47 (B) TYPE: Nucleic Acid
48 (C) STRANDEDNESS: Single
49 (D) TOPOLOGY: Linear
50 (iv) ANTI-SENSE: Yes
51 (ix) FEATURE:
52 (D) OTHER INFORMATION: ISIS 2302
53 (x) PUBLICATION INFORMATION:
54 (H) DOCUMENT NUMBER: US 5591623 (SEQ ID NO:22)
55 (I) FILING DATE: 21-JAN-1993
56 (J) PUBLICATION DATE: 07-JAN-1997
57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

GCCCAAGCTG GCATCCGTCA 20

61 (2) INFORMATION FOR SEQ ID NO: 2:
62 (i) SEQUENCE CHARACTERISTICS:
63 (A) LENGTH: 21 base pairs
64 (B) TYPE: Nucleic Acid
65 (C) STRANDEDNESS: Single
66 (D) TOPOLOGY: Linear
67 (iv) ANTI-SENSE: Yes
68 (ix) FEATURE:
69 (D) OTHER INFORMATION: GM1595
70 (x) PUBLICATION INFORMATION:
71 (H) DOCUMENT NUMBER: US 5580969 (SEQ ID NO:11)
72 (I) FILING DATE: 12-OCT-1993
73 (J) PUBLICATION DATE: 12-DEC-1996
74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

AGCCATAGCG AGGCTGAGGT T 21

78 (2) INFORMATION FOR SEQ ID NO: 3:
79 (i) SEQUENCE CHARACTERISTICS:
80 (A) LENGTH: 20 base pairs
81 (B) TYPE: Nucleic Acid
82 (C) STRANDEDNESS: Single
83 (D) TOPOLOGY: Linear
84 (iv) ANTI-SENSE: Yes
85 (ix) FEATURE:
86 (D) OTHER INFORMATION: ISIS 5847
87 (x) PUBLICATION INFORMATION:
88 (H) DOCUMENT NUMBER: US 5591623 (SEQ ID NO:72)
89 (I) FILING DATE: 21-JAN-1993
90 (J) PUBLICATION DATE: 07-JAN-1997
91 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

AACATCTCCG TACCATGCCA 20

95 (2) INFORMATION FOR SEQ ID NO: 4:
96 (i) SEQUENCE CHARACTERISTICS:
97 (A) LENGTH: 21 base pairs
98 (B) TYPE: Nucleic Acid
99 (C) STRANDEDNESS: Single

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/108,673ADATE: 11/05/98
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100 (D) TOPOLOGY: Linear
101 (iv) ANTI-SENSE: Yes
102 (ix) FEATURE:
103 (D) OTHER INFORMATION: GM1535
104 (x) PUBLICATION INFORMATION:
105 (H) DOCUMENT NUMBER: US 5596090 (SEQ ID NO:3)
106 (I) FILING DATE: 12-OCT-1993
107 (J) PUBLICATION DATE: 21-JAN-1997
108 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
109
110 CCCAGGCATT TTAAGTTGCT G 21
111
112 (2) INFORMATION FOR SEQ ID NO: 5:
113 (i) SEQUENCE CHARACTERISTICS:
114 (A) LENGTH: 21 base pairs
115 (B) TYPE: Nucleic Acid
116 (C) STRANDEDNESS: Single
117 (D) TOPOLOGY: Linear
118 (iv) ANTI-SENSE: Yes
119 (ix) FEATURE:
120 (D) OTHER INFORMATION: GM1515
121 (x) PUBLICATION INFORMATION:
122 (H) DOCUMENT NUMBER: US 5585479 (SEQ ID NO:1)
123 (I) FILING DATE: 12-OCT-1993
124 (J) PUBLICATION DATE: 17-DEC-1996
125 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
126
127 GTTTAAGGCA GCATCCTAAG A 21
128
129 (2) INFORMATION FOR SEQ ID NO: 6:
130 (i) SEQUENCE CHARACTERISTICS:
131 (A) LENGTH: 21 base pairs
132 (B) TYPE: Nucleic Acid
133 (C) STRANDEDNESS: Single
134 (D) TOPOLOGY: Linear
135 (iv) ANTI-SENSE: Yes
136 (ix) FEATURE:
137 (D) OTHER INFORMATION: GM1516
138 (x) PUBLICATION INFORMATION:
139 (H) DOCUMENT NUMBER: US 5585479 (SEQ ID NO:2)
140 (I) FILING DATE: 12-OCT-1993
141 (J) PUBLICATION DATE: 17-DEC-1996
142 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
143
144 TCACCCAAAG GTTTAGGCTT G 21
145
146 (2) INFORMATION FOR SEQ ID NO: 7:
147 (i) SEQUENCE CHARACTERISTICS:
148 (A) LENGTH: 21 base pairs
149 (B) TYPE: Nucleic Acid
150 (C) STRANDEDNESS: Single
151 (D) TOPOLOGY: Linear
152 (iv) ANTI-SENSE: Yes

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153 (ix) FEATURE:
154 (D) OTHER INFORMATION: GM1517
155 (x) PUBLICATION INFORMATION:
156 (H) DOCUMENT NUMBER: US 5585479 (SEQ ID NO:3)
157 (I) FILING DATE: 12-OCT-1993
158 (J) PUBLICATION DATE: 17-DEC-1996
159 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
160
161 GCAATCATGA CTTCAAGAGT T 21
162
163 (2) INFORMATION FOR SEQ ID NO: 8:
164 (i) SEQUENCE CHARACTERISTICS:
165 (A) LENGTH: 18 base pairs
166 (B) TYPE: Nucleic Acid
167 (C) STRANDEDNESS: Single
168 (D) TOPOLOGY: Linear
169 (iv) ANTI-SENSE: Yes
170 (ix) FEATURE:
171 (D) OTHER INFORMATION: Antisense to c-myb mRNA; a.k.a. "MYB-AS"
172 (x) PUBLICATION INFORMATION:
173 (A) AUTHORS: Calabretta, Bruno, et al.
174 (B) TITLE: Inhibition of Protooncogene Expression in Leukemic
175 Cells: An Antisense Approach
176 (C) JOURNAL: Antisense Research and Applications,
177 Crooke, S.T., et al., eds., CRC Press, Boca Raton
178 (D) VOLUME: Chapter 31
179 (F) PAGES: 535-545
180 (G) DATE: 1993
181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
182
183 GTGCCGGGGT CTTCTGGGC 18
184
185 (2) INFORMATION FOR SEQ ID NO: 9:
186 (i) SEQUENCE CHARACTERISTICS:
187 (A) LENGTH: 20 base pairs
188 (B) TYPE: Nucleic Acid
189 (C) STRANDEDNESS: Single
190 (D) TOPOLOGY: Linear
191 (iv) ANTI-SENSE: Yes
192 (ix) FEATURE:
193 (D) OTHER INFORMATION: Antisense to mammalian DNA
194 methyl transferase
195 (x) PUBLICATION INFORMATION:
196 (H) DOCUMENT NUMBER: WO 95/15378 (SEQ ID NO:1)
197 (I) FILING DATE: 30-NOV-1994
198 (J) PUBLICATION DATE: 08-JUN-1995
199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
200
201 CATCTGCCAT TCCCACTCTA 20
202
203 (2) INFORMATION FOR SEQ ID NO: 10:
204 (i) SEQUENCE CHARACTERISTICS:
205 (A) LENGTH: 24 base pairs

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/108,673ADATE: 11/05/98
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206 (B) TYPE: Nucleic Acid
207 (C) STRANDEDNESS: Single
208 (D) TOPOLOGY: Linear
209 (iv) ANTI-SENSE: Yes
210 (ix) FEATURE:
211 (D) OTHER INFORMATION: Antisense to mammalian DNA
212 methyl transferase
213 (x) PUBLICATION INFORMATION:
214 (H) DOCUMENT NUMBER: WO 95/15378 (SEQ ID NO:2)
215 (I) FILING DATE: 30-NOV-1994
216 (J) PUBLICATION DATE: 08-JUN-1995
217 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
218
219 TTGGCATCTG CCATTCCCAC TCTA 24
220
221 (2) INFORMATION FOR SEQ ID NO: 11:
222 (i) SEQUENCE CHARACTERISTICS:
223 (A) LENGTH: 19 base pairs
224 (B) TYPE: Nucleic Acid
225 (C) STRANDEDNESS: Single
226 (D) TOPOLOGY: Linear
227 (iv) ANTI-SENSE: Yes
228 (ix) FEATURE:
229 (D) OTHER INFORMATION: Antisense to Vascular
230 Endothelial Growth factor (VEGF)
231 (x) PUBLICATION INFORMATION:
232 (H) DOCUMENT NUMBER: WO 95/04142 (SEQ ID NO:1)
233 (I) FILING DATE: 26-JUL-1994
234 (J) PUBLICATION DATE: 09-FEB-1995
235 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
236
237 CATGGTTTCG GAGGGCGTC 19
238
239 (2) INFORMATION FOR SEQ ID NO: 12:
240 (i) SEQUENCE CHARACTERISTICS:
241 (A) LENGTH: 20 base pairs
242 (B) TYPE: Nucleic Acid
243 (C) STRANDEDNESS: Single
244 (D) TOPOLOGY: Linear
245 (iv) ANTI-SENSE: Yes
246 (ix) FEATURE:
247 (D) OTHER INFORMATION: Antisense to Vascular
248 Endothelial Growth factor (VEGF)
249 (x) PUBLICATION INFORMATION:
250 (A) AUTHORS: Robinson, G.S., et al.
251 (B) TITLE: Oligodeoxynucleotides inhibit retinal
252 neovascularization in a murine model of proliferative retinopathy
253 (SEQ ID NO: M3)
254 (C) JOURNAL: The Proceedings of the National Academy of Sciences
255 (U.S.A.)
256 (D) VOLUME: 93
257 (F) PAGES: 4851-4856
258 (G) DATE: MAY-1996

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/108,673A

DATE: 11/05/98
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Line	Error	Original Text
29	Wrong Classification	(C) CLASSIFICATION: n/A